

ABSTRACT

An imaging apparatus, such as would be used in a digital copier, includes at least one linear array of photosensors. Along a direction of the array, the photosensors are filtered to different primary colors, such as RGB, according to a repeating pattern. The repeating pattern includes at least one substantially clear photosensor, or a photosensor sensitive to a non-primary color (K). Some possible repeating patterns thus include RGBK, RKB, BKRK, and RGBGKG.